

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	14	("4638443"   "4895017"   "5076094"   "5117146"   "5411709"   "5469369"   "5885844"   "6044332"   "6170318"   "6293136"   "6350369"   "6360585"   "6387329"   "7122152").PN.	USPAT	OR	ON	2008/09/19 14:50
S2	1	"6044332".pn.	USPAT	OR	ON	2008/09/19 15:08
S3	1	"6170318".pn.	USPAT	OR	ON	2008/09/19 15:09
S4	1	"6387329".pn.	USPAT	OR	ON	2008/09/19 15:10
S5	1	"7122152".pn.	USPAT	OR	ON	2008/09/19 15:12
S6	95	(saw or acoustic near3 wave) and (amplitude near4 density or amp\$3 near3 density)	USPAT	OR	ON	2008/09/19 15:13
S7	0	(saw or acoustic near3 wave) and (amplitude near4 density or amp\$3 near3 density) with signal\$4	USPAT	OR	ON	2008/09/19 15:16
S8	29	(saw near3 sens\$4 or acoustic near3 wave) and (amplitude near4 density or amp\$3 near3 density)	USPAT	OR	ON	2008/09/19 15:17
S9	33	(saw near3 sens\$4 or acoustic near3 wave or piezo\$electric same (sensor or detector or monitor)) and (amplitude near4 density or amp\$3 near3 density)	USPAT	OR	ON	2008/09/19 15:21
S10	0	(saw near3 sens\$4 or acoustic near3 wave or piezo\$electric same (sensor or detector or monitor)) and (amplitude near4 density or amp\$3 near3 density) near6 signal\$4	USPAT	OR	ON	2008/09/19 15:21
S11	46897	(surface near8 acoustic near8 wave or saw near3 sensor) or piezoelectric same (sensor or detector or monitor)	US-PGPUB; USPAT	OR	ON	2008/09/19 15:23
S12	45	S11 and (amplitude near4 density) near8 signal\$4	US-PGPUB; USPAT	OR	ON	2008/09/19 15:24
S13	244	S11 and (amplitude near4 density)	US-PGPUB; USPAT	OR	ON	2008/09/19 15:24
S14	103	422/82.01.ccls. and (saw near3 sensor or acoustic near3 wave)	US-PGPUB; USPAT	OR	ON	2008/09/19 15:29
S15	0	S14 and (amplitude near5 density) near7 signal\$4	US-PGPUB; USPAT	OR	ON	2008/09/19 15:30

S16	0	S14 and (amplitude near5 density)	US-PGPUB; USPAT	OR	ON	2008/09/19 15:30
S17	1	"6387329".pn.	US-PGPUB; USPAT	OR	ON	2008/09/19 15:34
S18	4	(422/50,62,67,68,1,82,01,83.ccls. or 73/1.10,1.02.ccls. or 436/43,149.ccls.) and (amplitude near3 density)	USPAT	OR	ON	2008/09/19 15:38
S19	218	(422/50,62,67,68,1,82,01,83.ccls. or 73/1.10,1.02.ccls. or 436/43,149.ccls.) and (saw near3 sensor or acoustic near3 wave)	USPAT	OR	ON	2008/09/19 15:38
S20	0	S19 and amplitude near4 density	USPAT	OR	ON	2008/09/19 15:38
S21	15	(US-7122152-\$ or US-4638443-\$ or US-4895017-\$ or US-5076094-\$ or US-5117146-\$ or US-5411709-\$ or US-5469369-\$ or US-5885844-\$ or US-6044332-\$ or US-6170318-\$ or US-6293136-\$ or US-6350369-\$ or US-6360585-\$ or US-6387329-\$ or US-5269188-\$).did.	USPAT	OR	OFF	2008/09/30 15:27
S22	57	(saw near3 sens\$4 or acoustic near3 wave or piezo\$electric) and (amplitude near4 density or amp\$3 near3 density)	USPAT	OR	ON	2008/10/01 11:41
S23	306	(saw or surface near3 acoustic near3 wave or surface adj acoustic) same fluctuation\$	USPAT	OR	ON	2008/10/01 11:46
S24	61	(saw or surface near3 acoustic near3 wave or surface adj acoustic) same fluctuation\$ and (adsorpt\$4 or absorb\$4)	USPAT	OR	ON	2008/10/01 11:47
S25	6	(saw or surface near3 acoustic near3 wave or surface adj acoustic) same fluctuation\$ and (adsorpt\$4)	USPAT	OR	ON	2008/10/01 11:52
S26	245	(saw or surface near2 acoustic) and pattern adj recognizer\$4	US-PGPUB; USPAT	OR	ON	2008/10/01 12:04
S27	36	(saw or surface near2 acoustic) and pattern adj recognizer	US-PGPUB; USPAT	OR	ON	2008/10/01 12:04
S28	5	(surface near2 acoustic) and pattern adj recognizer	US-PGPUB; USPAT	OR	ON	2008/10/01 12:04
S29	1	(surface near2 acoustic) and (statistic\$3 near3 (analyzer or monitor)) and (pattern near3 (recognizer or recogni\$6))	US-PGPUB; USPAT	OR	ON	2008/10/01 12:06
S30	2118	frequency near4 (fluctuation or variance or vary\$4 or fluctuat\$4 or chang\$4) near3 count\$4	US-PGPUB; USPAT	OR	ON	2008/10/01 12:08
S31	41	S30 and (surface near2 acoustic)	US-PGPUB; USPAT	OR	ON	2008/10/01 12:08

S32	1755	frequency near3 (flucuation or variance or vary\$4 or fluctuat\$4 or chang\$4) near3 count\$4	US- PGPUB; USPAT	OR	ON	2008/10/01 12:09
S33	37	S32 and (surface near2 acoustic)	US- PGPUB; USPAT	OR	ON	2008/10/01 12:09
S34	2	422/83 ccls. and (surface near2 acoustic) same fluctuat\$4	US- PGPUB; USPAT	OR	ON	2008/10/01 12:16
S35	868	(surface near2 acoustic) and heterodyn \$4	US- PGPUB; USPAT	OR	ON	2008/10/01 12:19
S36	97	(surface near2 acoustic) and heterodyn \$4 and sensor near6 (chemical or saw or acoutic near3 wave)	US- PGPUB; USPAT	OR	ON	2008/10/01 12:20
S37	5	frequency near3 counter same (statistical near3(analyzer or analy\$5 or monitor or detector) or amplitude near3 density)	US- PGPUB; USPAT	OR	ON	2008/10/01 12:23
S38	18	("4591550").PN. OR ("5976466").URFN.	US- PGPUB; USPAT; USOCR	OR	OFF	2008/10/01 12:26
S39	0	S38 and frequency near3 counter	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:26
S40	1	"7122152".pn.	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:41
S41	0	"7122152".pn. and frequency near3 count \$4	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:41
S42	1	"7122152".pn. and frequency	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:41
S43	3	("6360585" "6350369" "6387329").pn.	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:44
S44	0	S43 and frequency near3 count\$4	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:45
S45	1	"7122152".pn. and power near3 spectral \$4	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:47
S46	16	(surface near3 acoustic) near3 (sensor or device or sens\$4) and amplitude near3 density	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:48

S47	1	"20080156100".pn. and amplitude	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:50
S48	62794	((surface near3 acoustic near3 wave) or piezoelectric with (sens\$4 or device or monitor))	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:57
S49	1029	S48 and (frequency near3 counter)	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:57
S50	5	S49 and (amplitude near3 density or statistical near3 (analyzer or monitor))	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 12:59
S51	653	S48 and frequency near3 fluctuation	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 13:02
S52	110	S48 and frequency near3 fluctuation with (amplitude or size or range)	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 13:03
S53	22	S52 and ("422" or "73" or "436" or "435").clas.	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 13:04
S54	29	Thundat.in. and (piezoelectric or oscillat\$4 or acoustic near3 wave)	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 13:04
S55	3	Thundat.in. and (piezoelectric or oscillat\$4 or acoustic near3 wave) and frequency near3 count\$4	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 13:04
S56	3	S55 and (amplitude or fluctuat\$4)	US- PGPUB; USPAT; USOCR	OR	ON	2008/10/01 13:09
S57	9479	(saw near3 sens\$4 or acoustic near3 wave or piezo\$electric) and fluctuat\$4	USPAT	OR	ON	2008/10/08 12:06
S58	0	(saw or acoustic near3 wave) and (amplitude near4 density or amp\$3 near3 density) and pattern near3 (recognition or recogniz\$4 or recogni\$6)	USPAT	OR	ON	2008/10/08 15:43
S59	1466	(saw or acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6)	USPAT	OR	ON	2008/10/08 15:44
S60	140	(saw or acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) same (noise or fluctuat\$5)	USPAT	OR	ON	2008/10/08 15:44

S61	37	(saw or acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) same (noise or flucuat\$5) and ("422" or "702" or "436" or "73" or "700").clas.	USPAT	OR	ON	2008/10/08 15:52
S62	18	(saw or surface near3 acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) same (noise or flucuat\$5) and ("422" or "702" or "436" or "73" or "700").clas.	USPAT	OR	ON	2008/10/08 15:56
S63	0	(saw or surface near3 acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) same (flucuat\$5) and ("422" or "702" or "436" or "73" or "700").clas.	USPAT	OR	ON	2008/10/08 16:01
S64	0	(saw or surface near3 acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) same (flucuat\$5 or flucuat\$5 or density near3 (amplitude or amplitud\$5)) and ("422" or "702" or "436" or "73" or "700").clas.	USPAT	OR	ON	2008/10/08 16:01
S65	0	(saw or surface near3 acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) same (flucuat\$5 or flucuat\$5 or density near3 (amplitude or amplitud\$5))	USPAT	OR	ON	2008/10/08 16:01
S66	1	(saw or surface near3 acoustic near3 wave) and pattern near3 (recognition or recogniz\$4 or recogni\$6) and (flucuat\$5 or flucuat\$5 or density near3 (amplitude or amplitud\$5))	USPAT	OR	ON	2008/10/08 16:02
S67	255	(saw or surface near3 acoustic near3 wave) near3 (sens\$4 or detect\$4 or analyz\$4) and pattern near3 (recognition or recogniz\$4 or recogni\$6)	USPAT	OR	ON	2008/10/08 16:03
S68	179	S67 and absorb\$4	USPAT	OR	ON	2008/10/08 16:04
S69	85	S67 and absorb\$4 near4 (molecule or analyte or particle or particulate)	USPAT	OR	ON	2008/10/08 16:04
S70	0	S69 and (amplitude near3 density)	USPAT	OR	ON	2008/10/08 16:05
S71	10	S69 and (fluctuations or fluctuate or flucuat\$4)	USPAT	OR	ON	2008/10/08 16:05
S72	1	S69 and (fluctuations or fluctuate or flucuat\$4) with (oscillat\$4)	USPAT	OR	ON	2008/10/08 16:08
S73	54	(saw or surface near3 acoustic near3 wave) near3 (sens\$4 or detect\$4 or analyz\$4) and pattern near3 (recognition or recogniz\$4 or recogni\$6) and (fluctuat\$5 or chang\$4 or vary\$4 or vari\$4) with (oscillat\$5)	USPAT	OR	ON	2008/10/08 16:09

S74	166	(saw or surface near3 acoustic near3 wave) near3 (sens\$4 or detect\$4 or analyz\$4) and pattern near3 (recognition or recogniz\$4 or recogni\$6) and (fluctuat\$5 or chang\$4 or vary\$4 or vari\$4) with (oscillat\$5)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/08 16:09
S75	54	S74 and ("422" "436" "73" "702" "700"). clas.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2008/10/08 16:10
S76	36	S73 and ("422" or "73" or "436" or "702" or "700").clas.	USPAT	OR	ON	2008/10/08 16:11
S77	36	S76 and pattern near3 (recognizer or recogni\$6)	USPAT	OR	ON	2008/10/08 16:20
S78	1	"6613224".pn.	USPAT	OR	ON	2008/10/08 16:24
S79	54	(saw or surface near3 acoustic near3 wave) near3 (sens\$4 or detect\$4 or analyz\$4) and pattern near3 (recognition or recogniz\$4 or recogni\$6) and (fluctuat\$5 or chang\$4 or vary\$4 or vari\$4) with (oscillat\$5)	USPAT	OR	ON	2008/10/09 10:03
S80	36	S79 and ("422" or "73" or "436" or "702" or "700").clas.	USPAT	OR	ON	2008/10/09 10:03
S81	36	S80 and pattern near3 (recognizer or recogni\$6)	USPAT	OR	ON	2008/10/09 10:03
S82	41	73/24.01.ocls. and (saw or surface near3 acoustic near3 wave) near5 (sens\$4 or analyz\$3)	USPAT	OR	ON	2008/10/09 10:54

10/9/2008 2:24:11 PM

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